

t (11; 19) (q23; p13.3); (MLL-ENL)

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(Real Time PCR)
Negative / Positive

Comments

Precursor B-cell Acute Lymphoblastic Leukemia (ALL) accounts for 85% Acute leukemias in children and 20% in adults. Most patients with ALL show an abnormal clone by conventional cytogenetic studies. The common chromosome translocations in pediatric ALL include t(1;19) (q23 ;p13.3); TCF3-PBX1(E2A- PBX1), t(12; 21) (p13;q22); ETV6-RUNX1(TEL-AML1) & MLL gene rearrangement. All these translocations are important to detect as they are important prognostic markers. Translocation t(11;19)(q23;p13.3) generates MLL-ENL fusion gene which is observed with equal frequency in AML & ALL.

Uses

- Quantifying disease before treatment and after therapy for patients with ALL
- Assessing residual disease after treatment